

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Applicants : Joel G. Hassell et al.  
Application No. : Not yet assigned      Confirmation No. : Not yet assigned  
Filed : Concurrently herewith  
For : ELECTRONIC PROGRAM GUIDE WITH  
SUPPORT FOR RICH PROGRAM CONTENT  
Group Art Unit : Not yet assigned  
Examiner : Not yet assigned

Mail Stop PATENT APPLICATION  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97,  
applicants wish to call the attention of the Examiner to the  
following documents:

U.S. Patent Documents

Krüger et al.	4,488,179	12/11/84
Freeman	4,602,279	07/22/86
Harvey et al.	4,694,490	09/15/87
Macovski	5,068,728	11/26/91
Josephs	5,175,627	12/29/92
Sugimori et al.	5,208,670	05/04/93
Takashima et al.	5,285,284	02/08/94

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Kim	5,331,349	07/19/94
Wasilewski et al.	5,359,601	10/25/94
Lucas	5,361,098	11/01/94
Yasumoto et al.	5,442,403	08/15/95
Maze et al.	5,557,338	09/17/96
Miller et al.	5,585,866	12/17/96
Knee et al.	5,589,892	12/31/96
Hoarty	5,594,507	01/14/97
Rzeszewski et al.	5,699,125	12/16/97
Lee	5,754,253	05/19/98
Lawler	5,758,259	05/26/98
Hidary et al.	5,774,664	06/30/98
Takahisa et al.	5,812,937	09/22/98
Davis et al.	5,822,123	10/13/98
Chaney	5,841,433	11/24/98
Klosterman et al.	5,940,073	08/17/99
Luciw	5,978,766	11/02/99
Barrett et al.	6,005,597	12/21/99
Alexander et al.	6,177,931	01/23/01

#### Foreign Patent Documents

PCT	WO 96/33572	10/24/96
PCT	WO 97/47135	12/11/97
PCT	WO 99/04560	01/28/99
PCT	WO 99/04561	01/28/99
PCT	WO 99/35831	07/15/99
PCT	WO 01/01677	01/04/01
EP	0 725 539 A2	08/07/96
EP	0 737 007 A2	10/09/96
EP	0 725 539 A3	05/21/97
EP	0 798 921 A2	10/01/97
EP	0 811 940 A2	12/10/97

### Other Documents

"Program Guide for Digital Television - ATSC Standard,"  
Doc. A/55, January 3, 1996, pp. 1-48, available at  
<http://www.atsc.org>.

The aforementioned documents are listed on the accompanying Form PTO-1449 (submitted in duplicate). These documents were previously submitted to the Patent Office in U.S. Patent Application No. 09/500,080, filed February 8, 2000, from which the present application claims priority under 35 U.S.C. § 120. Accordingly, pursuant to 37 C.F.R. § 1.98(d), no copies of the documents accompany this Information Disclosure Statement.

It is respectfully requested that these documents be: (1) fully considered by the Patent and Trademark Office during examination of this application; and (2) printed on any patent which may issue on this application. Applicants request that a copy of the accompanying Form PTO-1449, as considered and initialed by the Examiner, be returned with the next communication.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

Consideration of the foregoing in relation to this  
patent application is respectfully requested.



Alexander Shvarts  
Agent for Applicants  
Registration No. 47,943

FISH & NEAVE  
Customer No. 1473  
1251 Avenue of the Americas  
New York, New York 10020  
Tel.: (212) 596-9000  
Fax: (212) 596-9090

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
UV-123 Cont.APPLN. NO.  
Not yet assignedINFORMATION DISCLOSURE  
STATEMENT BY APPLICANTSAPPLICANTS  
Joel G. Hassell et al.CONF. NO.  
Not yet assignedFILING DATE  
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,488,179	12/11/84	Krüger et al.	358	181	
	4,602,279	07/22/86	Freeman	358	86	
	4,694,490	09/15/87	Harvey et al.	380	20	
	5,068,728	11/26/91	Macovski	358	141	
	5,175,627	12/29/92	Josephs	358	225	
	5,208,670	05/04/93	Sugimori et al.	358	141	
	5,285,284	02/08/94	Takashima et al.	348	731	
	5,331,349	07/19/94	Kim	348	567	
	5,359,601	10/25/94	Wasilewski et al.	370	73	
	5,361,098	11/01/94	Lucas	348	565	
	5,442,403	08/15/95	Yasumoto et al.	348	432	
	5,557,338	09/17/96	Maze et al.	348	565	
	5,585,866	12/17/96	Miller et al.	348	731	
	5,589,892	12/31/96	Knee et al.	348	731	
	5,594,507	01/14/97	Hoarty	348	584	
	5,699,125	12/16/97	Rzeszewski et al.	348	563	
	5,754,253	05/19/98	Lee	348	565	
	5,758,259	05/26/98	Lawler	455	5.1	
	5,774,664	06/30/98	Hidary et al.	395	200.48	
	5,812,937	09/22/98	Takahisa et al.	455	66	
	5,822,123	10/13/98	Davis et al.	348	567	
	5,841,433	11/24/98	Chaney	345	327	
	5,940,073	08/17/99	Klosterman et al.	345	327	
	5,978,766	11/02/99	Luciw	705	1	
	6,005,597	12/21/99	Barrett et al.	348	1	
	6,177,931	01/23/01	Alexander et al.	345	327	

EXAMINER

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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 96/33572	10/24/96	PCT	H04N	5/445		
	WO 97/47135	12/11/97	PCT	H04N	7/00		
	WO 99/04560	01/28/99	PCT	H04N	5/445		
	WO 99/04561	01/28/99	PCT	H04N	5/445		
	WO 99/35831	07/15/99	PCT	H04N	5/445		
	WO 01/01677	01/04/01	PCT	H04N	5/445		
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	0 737 007 A2	10/09/96	EP	H04N	5/45		
	0 725 539 A3	05/21/97	EP	H04N	5/445		
	0 798 921 A2	10/01/97	EP	H04N	5/445		
	0 811 940 A2	12/10/97	EP	G06F	17/30		

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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	"Program Guide for Digital Television – ATSC Standard," Doc. A/55, January 3, 1996, pp. 1-48, available at <a href="http://www.atsc.org">http://www.atsc.org</a> .

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